Project Scope Summary Report

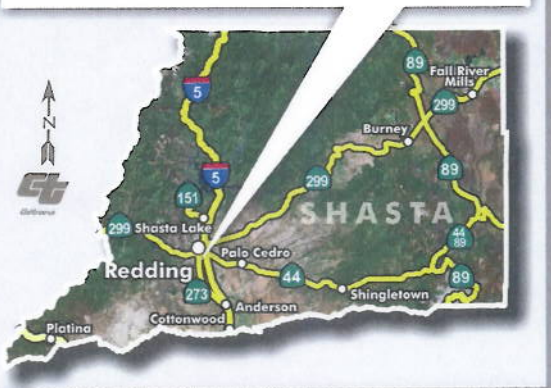
ROUTE 273 ADA PROJECT

CONSTRUCT ADA COMPLIANT PEDESTRIAN CURB RAMPS

02-SHA-273 PM 14.9/16.2
20.XX.201.378
PPNO 3469
02 0002 0165
02-3E800_
September 2011

PROJECT LOCATION

In Shasta County in Redding from 0.1 mile south of Wyndham Lane to Lincoln Street



Approval Recommended:

9-9-11

PHIL BAKER, P.E.
Project Manager, District 2
Date

9-9-11

ED LAMKIN, P.E.
Deputy District Director
Maintenance and Operations, District 2
SHOPP Program Manager
Date

Approved By:

9/9/11

JOHN BULINSKI, P.E.
District Director, District 2
Date

advance planning

caltrans district 2

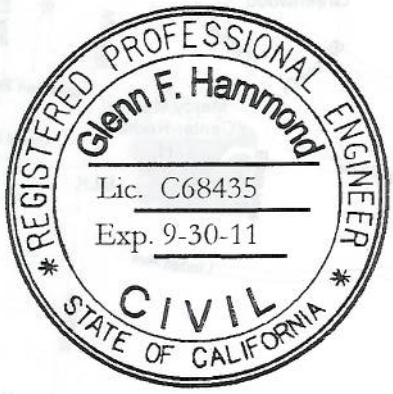
Project Scope
Summary Report

This project initiation document has been prepared under the direction of the following Registered Civil Engineer. The registered civil engineer attests to the technical information contained herein and the engineering data upon which recommendations, conclusions, and decisions are based.

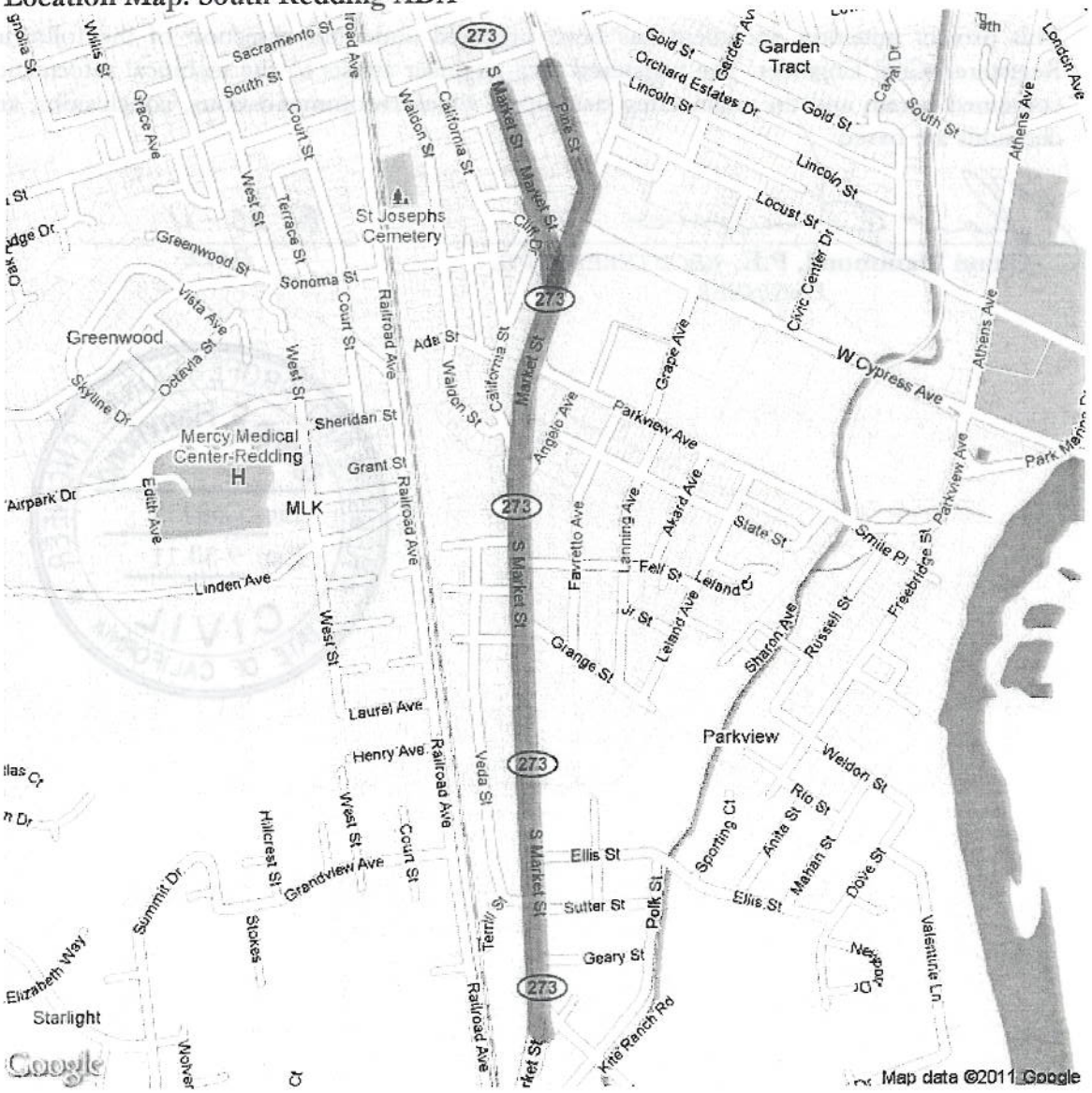
8-30-11

Glenn Hammond, P.E. *REGISTERED CIVIL ENGINEER*

DATE



Location Map: South Redding ADA



Initiating Office/Initiator:

The District 2 SHOPP Program Manager and the District 2 ADA Infrastructure (201.378) Program Advisor has established that a project is needed that meets the qualification for the ADA Infrastructure Program.

This project initiation document provides conceptual approval of the proposal and a recommendation to program the project into the current State Highway Operation and

Protection Program (SHOPP). A project report will follow and serve as final approval of the proposal.

Purpose and Need:

Purpose: The purpose of this project is to improve continuity and compliance for accessible pedestrian facilities on the highway system within the urbanized area of Redding. The general strategy is to correct deficient access features along popular pedestrian routes of the State Highways. Emphasis is directed toward providing the highest benefit to cost ratio based on the pedestrian traffic volume and nature of the localized services such as parks, public buildings and general services provided for the elderly or handicapped individuals.

Need: Of the pedestrian facilities on the State Highway system within the area incorporated by the City of Redding, several hundred locations have been identified to have functional deficiencies, gaps or barriers to accessibility. Caltrans is committed to the development and construction of safe and accessible pedestrian facilitates consistent with the provisions of the Americans With Disabilities Act (ADA) and Caltrans Design Information Bulletin 82-04.

The performance measures for this project are:

44	Curb Ramps
7800	LF of sidewalk
12	Pedestrian push buttons or signal modifications

Deficiency Summary:

Caltrans District 2 has not at the time of this writing identified any ADA grievance, complaint or pedestrian safety issues in the Redding area. If identified, these locations would be given the highest priority for remediation and considered for this project.

Project Proposal: This project is to construct ADA compliant pedestrian walks and curb ramps on Route 273 from Wyndam Way (PM 14.9) to Lincoln Street (PM 16.2) within the City of Redding. The work will concentrate on curb ramp and sidewalk improvements. Gaps in the existing system will be filled consistent with adjacent facilities. Minor corrections to asphalt surfaces and transitions should be corrected where feasible; however crossings requiring major modification of the roadway (e.g. adversely affecting the structural section) should be added to the ADA Compliance Transition Plan and fully addressed in subsequent projects.

Other Considerations:

R/W: No new right of way is presently identified, but minor acquisitions are anticipated once surveys establish ROW boundaries and the designer establishes a need. Temporary construction easements are anticipated for all property owners

adjacent to the work. From the initial review, it is estimated that up to 106 adjacent parcels may be impacted by this project.

Disposal Site: A dedicated disposal site will not be needed for this project since only a small volume of excess material will potentially be generated. Removed concrete rubble is suitable for recycling.

Utilities: Some utility pole relocations will be necessary, and extensive adjustments to grade will be required for appurtenances such as pull boxes, vault covers and gratings. Other features such as sewer manhole covers, signal control cabinets and water valve lids may also be affected.

Environmental: Due to the urbanized setting of the work, it is unlikely that impacts to environmental resources will be significant. However, due to the presence of numerous industrial properties and gas stations, some work may be adjacent to known hazardous material sources. While most of the work is shallow in nature, deeper excavations such as would be expected for light standard foundations or for drainage work are significantly more likely to encounter soils contaminated by buried tanks or other pollution sources.

Aerially Deposited Lead (ADL) is a known hazardous material that is found in elevated concentrations along the corridor. Shallow excavations from unpaved areas just beyond the pavement are likely to test above the allowable threshold for reuse of soils with ADL, and trigger special handling and disposal procedures.

Programming

PROJECT CAPITAL COST		
Fiscal Year	**Right of Way Capital**	**Construction Capital**
FY14	$420,000	$0
FY15	$0	$3,300,000

Key assumptions for the cost estimate: Ramps and sidewalk estimates are established by nominal count and average linear prices for similar work. In practice, widths and configurations vary greatly, and significantly affect costs. Driveways have higher costs than sidewalks, but are averaged into sidewalk costs for simplicity, and are not counted separately or measured independently.

	PROJECT SUPPORT COMPONENTS								
	PA&ED 0 Phase		Design 1 Phase		Right of Way 2 Phase		Construction 3 Phase		Total
	Dist	DES	Dist	DES	Dist	DES	Dist	DES	
Estimated PY's	6	0	6	1	5	0	4	0	22

Key assumptions for support cost estimate: Due to nature of the work and the level of detail needed to satisfy the requirements for pedestrian facilities, support costs for this type of project typically are much higher than conventional construction projects. Support cost estimates on similar work are anticipated to be 70%-100% of capital costs. An 80% support to capital ratio was used for this project.

Due to the limited alternatives for ADA compliance work, most of the initial work for this project will be completed during PA&ED. Traffic Management, Stormwater, Environmental, and other functional areas will provide their initial support requests at the beginning of PA&ED. This initial support request is based on limited initial information. This is therefore an identified risk that some functions may need additional support resources if difficulties are encountered. If it is later determined that increased support costs are warranted, the requested will be adjusted by Project Change Request (PCR).

Schedule:

HQ Milestones	Delivery Date (Month, Day, Year)
Approved PID	9/1/11
Programmed Project	11/1/11
Begin Environmental	7/1/12
Regular Right of Way	2/2/13
PA & ED	3/1/13
Right of Way Certification	9/1/14
Project P&E	10/15/14
Project PS&E	2/15/15
Ready to List	6/15/15
Advertise	8/15/15
Award Contract	11/15/15
Approve Contract	12/15/15
Contract Acceptance	11/1/16
End Project	11/1/17

Key assumptions for the schedule: Should any of the project delivery milestones be jeopardized by location specific risks such as a right of way condemnation or an environmental impact, the designer may elect to omit portions of the project provided that the decision is documented and the deficiency is included in the ADA Compliance Transition Plan.

Attachment: Preliminary Estimate

SOUTH REDDING ADA

July 2011 Preliminary Cost Estimate

NO.	ITEM	EST. UNIT COST	QTY.	UNIT	ITEM TOTAL
1	Curb Gutter & Sidewalk	$ 100	7800	LF	$ 780,000
2	Retaining Structure	$ 60	4200	SF	$ 252,000
3	Traffic Control	$ 2,500	100	DAY	$ 250,000
4	Curb Ramps	$ 5,000	44	EA	$ 220,000
5	Signal Modifications	$ 180,000	1	LUMP SUM	$ 180,000
6	Misc. Drainage	$ 150,000	1	LUMP SUM	$ 150,000
7	ROW Temp. Const.	$ 1,000	106	EA	$ 106,000
8	Minor HMA	$ 125	800	TON	$ 100,000
9	Remove Concrete	$ 80,000	1	LUMP SUM	$ 80,000
10	Utility Relocations	$ 60,000	1	LUMP SUM	$ 60,000
11	Pre-const. Task Orders	$ 50,000	1	LUMP SUM	$ 50,000
12	Haz. Waste Supplemental	$ 50,000	1	LUMP SUM	$ 50,000
13	Grind AC surface	$ 15	3000	SQYD	$ 45,000
14	ROW Supplemental	$ 50,000	1	LUMP SUM	$ 50,000
15	Storm water	$ 20,000	1	LUMP SUM	$ 20,000
		Sub-total			$ 2,393,000
		25% Contingency			$ 598,250
		Escalation (3.5%)			$ 325,202
		GRAND TOTAL			$ 3,300,000